

**URA blaster Gene Disruption
in *Candida albicans***

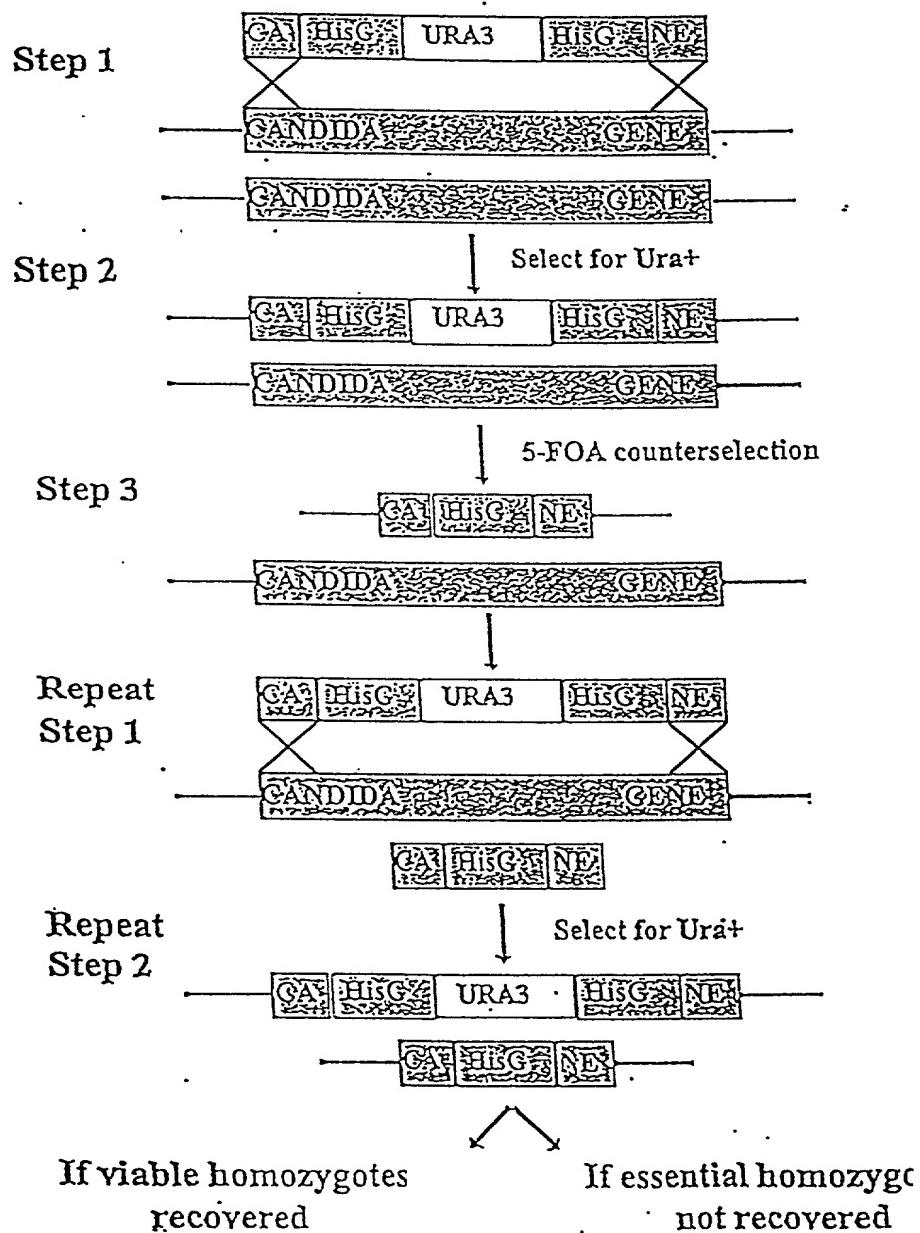
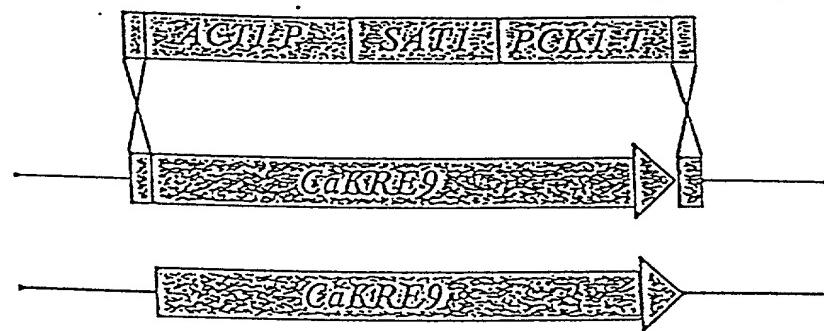


FIG. 1

- STEP 1: Gene Replacement



- STEP 2: Conditional Expression
by Promoter Replacement

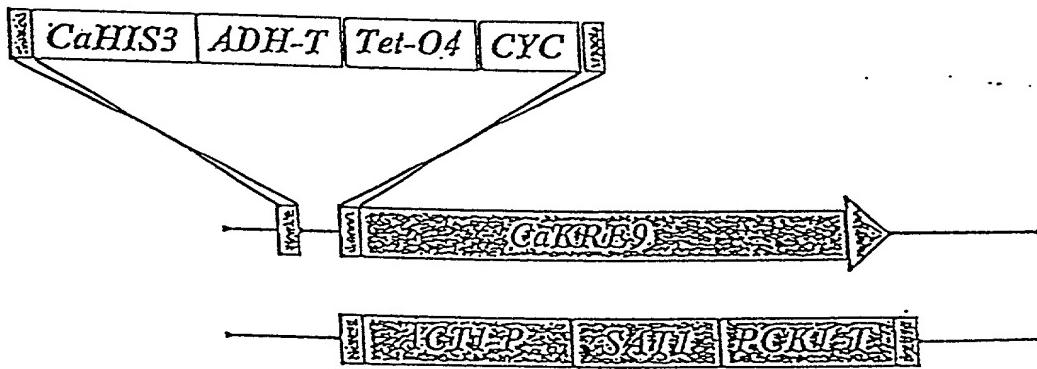


FIG. 2A

C. albicans GRACE Conditional Expression

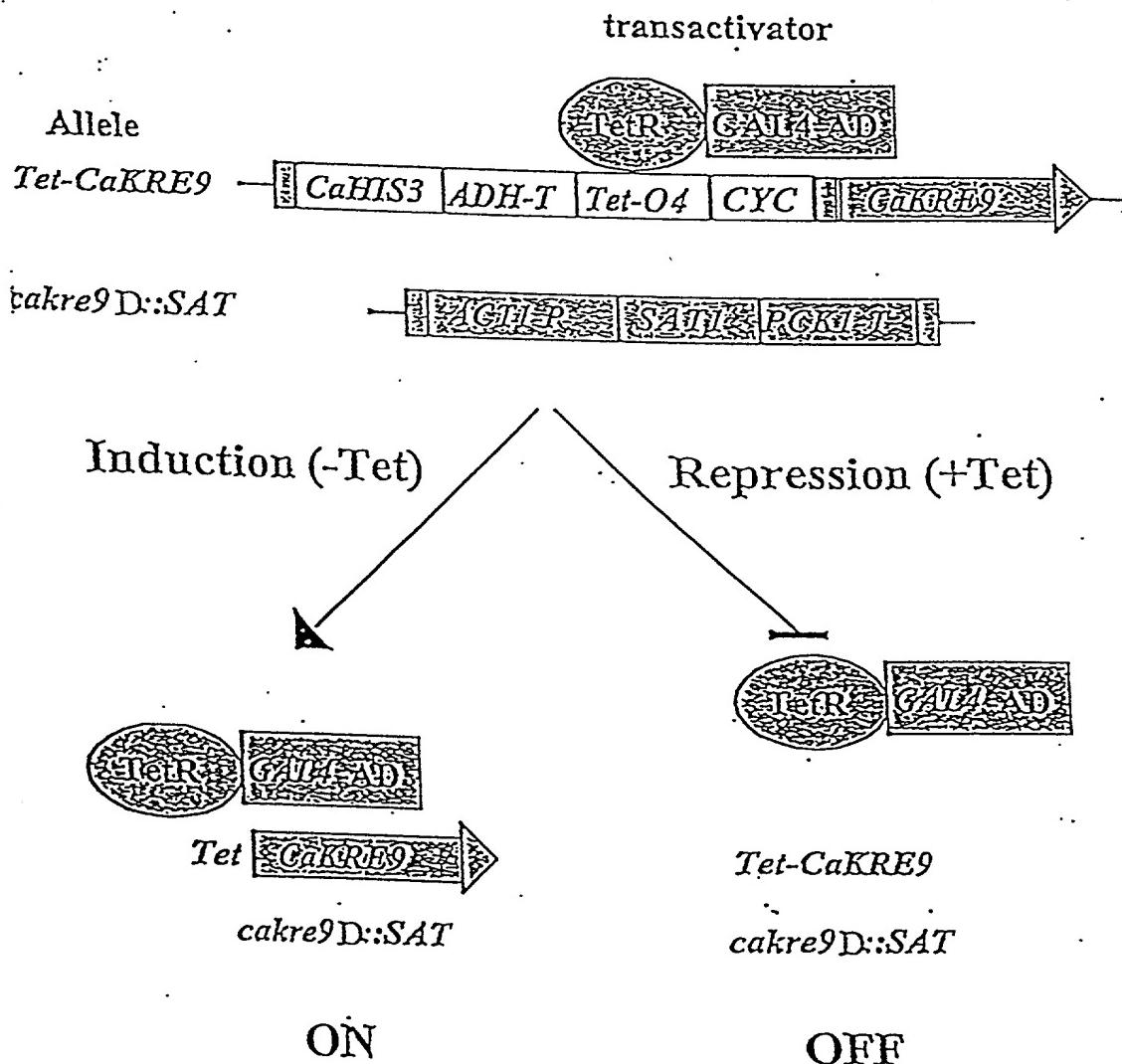
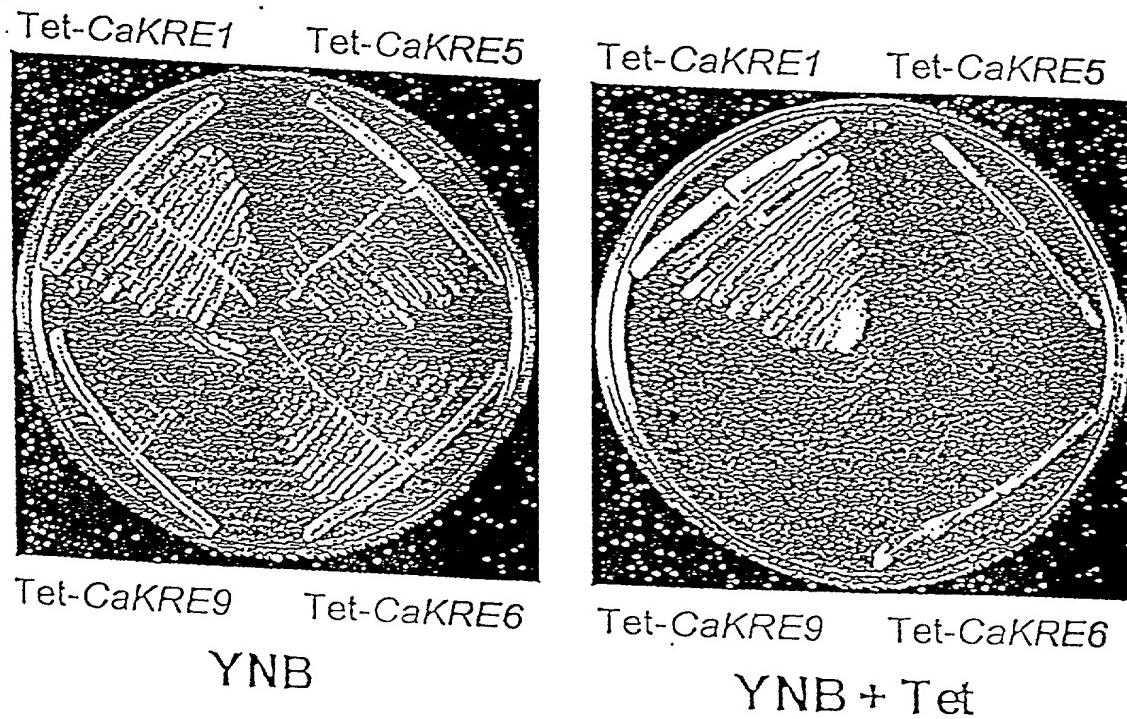


FIG. 2B

GRACE Validation of CaKRE Targets



Gene	<i>S. cerevisiae</i>	<i>C. albicans</i> URA blaster	<i>C. albicans</i> - GRACE
<i>KRE1</i>	Viable	Viable	Viable
<i>KRE5</i>	Essential	Essential	Essential
<i>KRE6</i>	Essential + <i>skn1Δ</i>	Essential	Essential
<i>KRE9</i>	Essential + <i>knh1Δ</i>	Essential	Essential

FIG. 3

Target Validation by GRACE Method

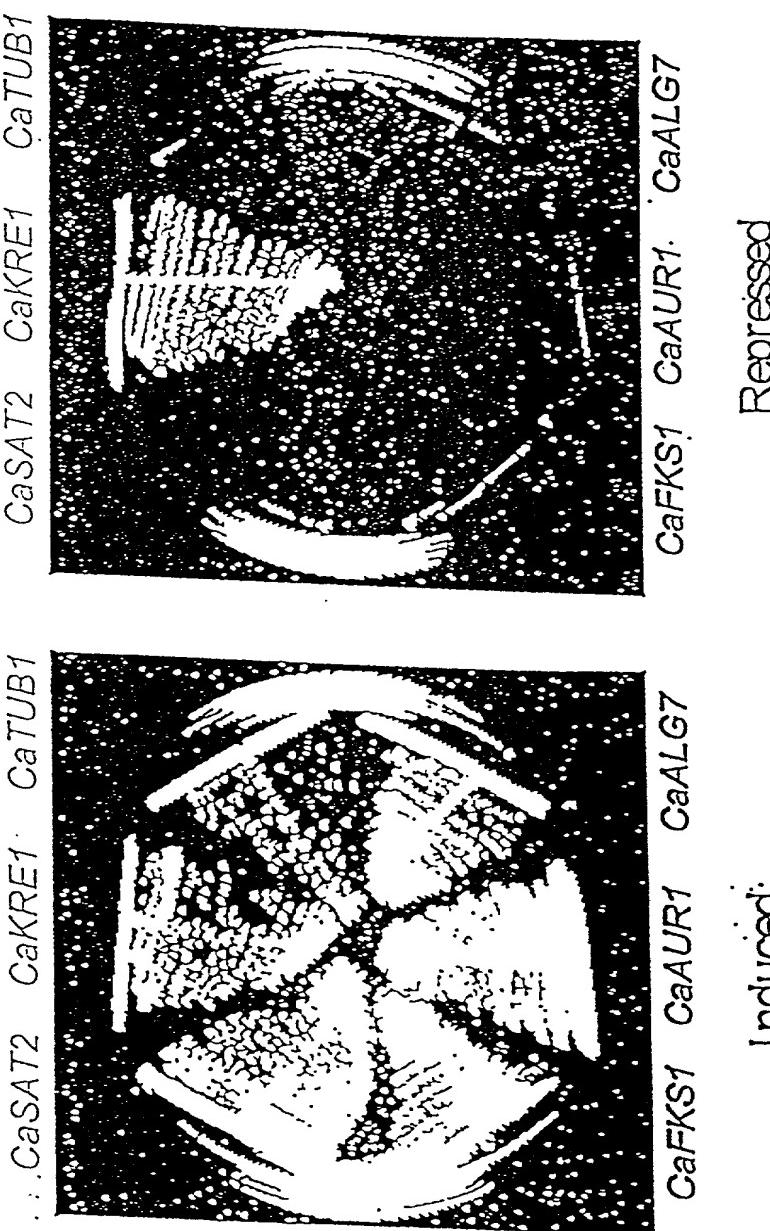


FIG. 4

Constitutive Expression Levels of GRACE Strains

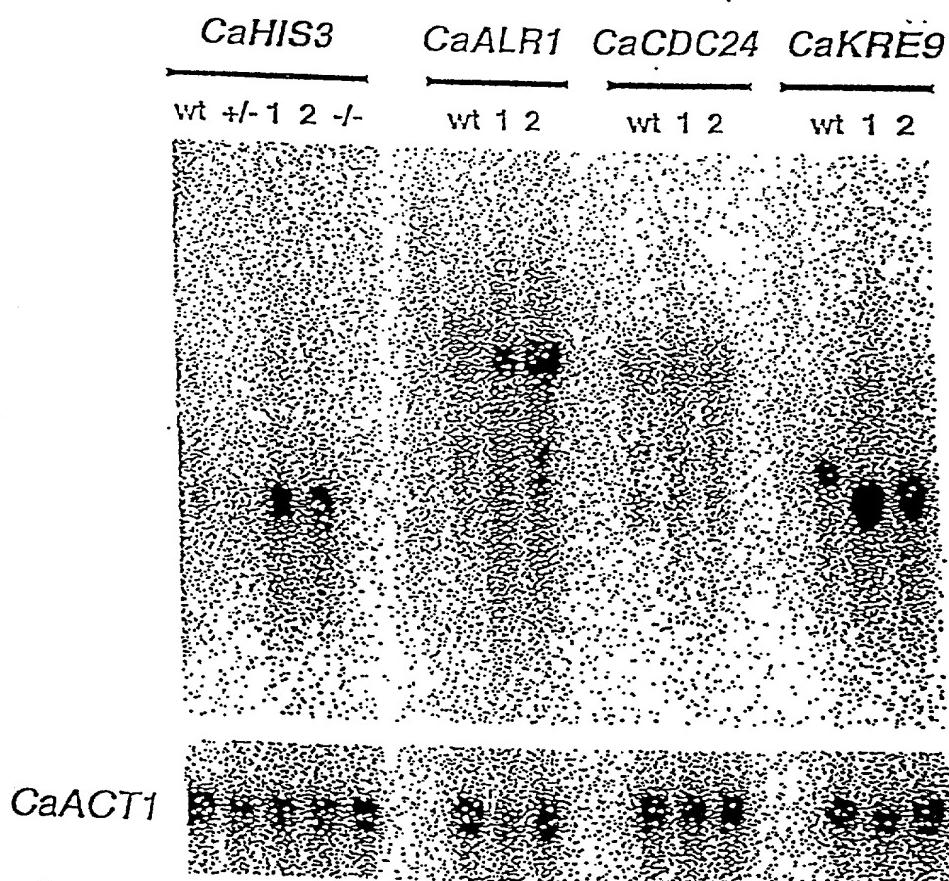


FIG. 5

Cah1S3 expression levels vs 3-AT Sensitivity

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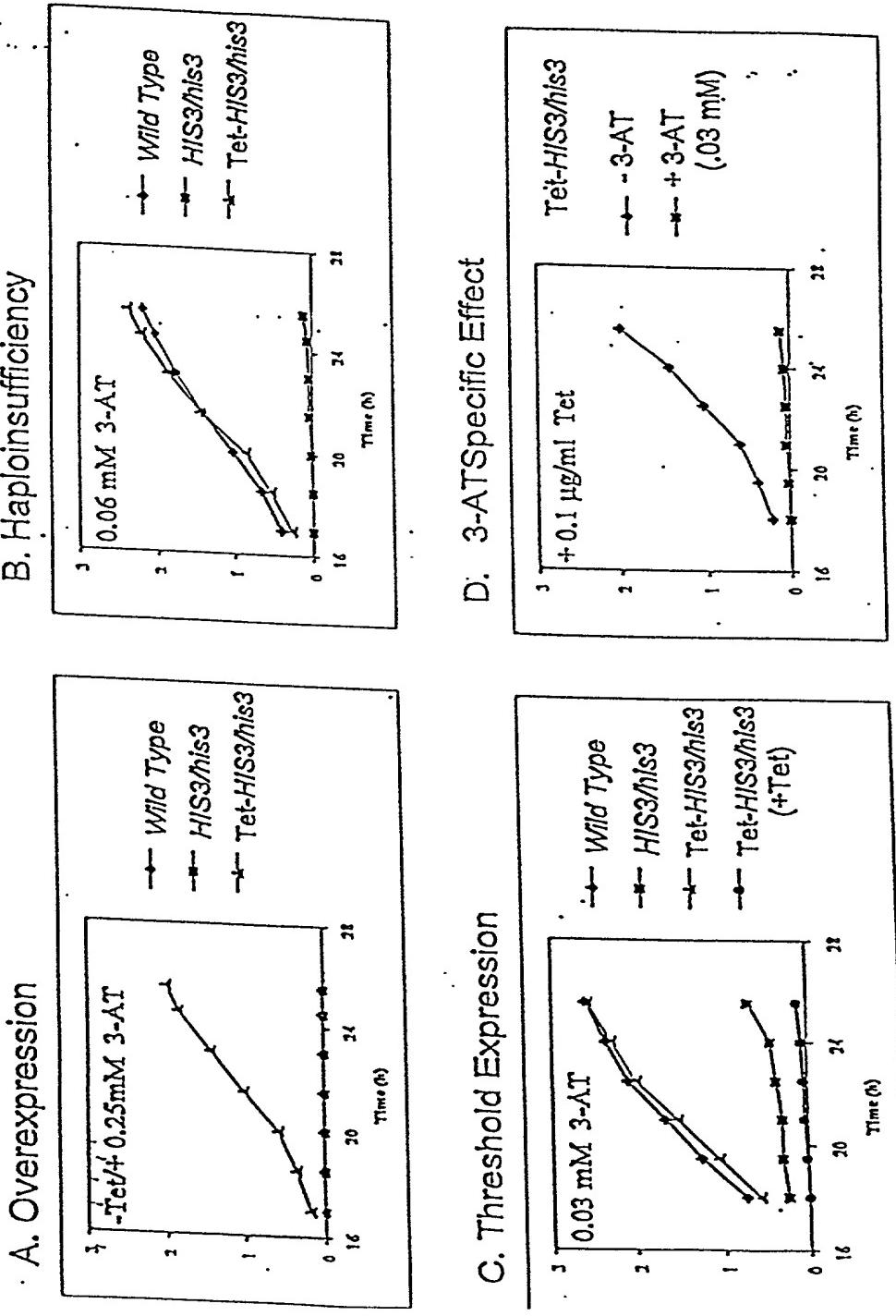


FIG. 6